

# Claims

- [c1] 1. A noise suppressing method for switching on a flat panel display driven by a time controller and a plurality of driver IC"s, the noise suppressing method comprising: providing a signal detect circuit and a video signal processor; and detecting whether a signal input to the flat panel display is stable by the signal detect circuit, and when the signal is unstable, controlling the driver IC"s to output a black burst signal by the video signal processor.
- [c2] 2. The noise suppressing method according to claim 1, further comprising embedding the signal detect signal in the time controller IC.
- [c3] 3. The noise suppressing method according to claim 1, further comprising embedding the video signal processor in the time controller IC.
- [c4] 4. The noise suppressing method according to claim 1, wherein the video signal processor controls the driver IC"s to output a normal display signal when the signal detected by the signal detect circuit is stable.

- [c5] 5. A noise suppressing method for switching off a flat panel display, which is driven by a time controller IC and a plurality of driver IC"s, the noise suppressing method comprising:  
providing a signal detect circuit and a video signal processor;  
detecting a switch-off signal while switching off the flat panel display, and when the switch-off signal is detected, the video signal processor controls output the driver IC"s to output a charge reset signal; and  
switching off the flat panel display after the flat panel display has performed charge reset.
- [c6] 6. The noise suppressing method according to claim 5, further comprising embedding the signal detect signal in the time controller IC.
- [c7] 7. The noise suppressing method according to claim 5, further comprising embedding the video signal processor in the time controller IC.
- [c8] 8. A noise suppression method for switching on/off a flat panel display which is driven by a time controller IC and a plurality of driver IC"s, the suppressing method comprising:  
providing a signal detecting circuit and a video signal processor, wherein the signal detect circuit detects

whether a signal input to the flat panel display is stable and a switch-off signal;  
controlling the driver IC's to output a black burst signal by the video signal processor when the signal detected by the signal detect circuit is unstable while switching on the flat panel display; and  
controlling the driver IC's to output a charge reset signal by the video signal processor when the switch-off signal is detected by the signal detect circuit while switching off the flat panel display, and switching off the flat panel display after charge reset operation is performed.

- [c9] 9. The noise suppressing method according to claim 8, further comprising embedding the signal detect signal in the time controller IC.
- [c10] 10. The noise suppressing method according to claim 8, further comprising embedding the video signal processor in the time controller IC.
- [c11] 11. The noise suppressing method according to claim 8, further comprising controlling the driver IC's to output a normal display signal by the video signal processor when the signal detected by the signal detect circuit is stable.